Format Working Group Summary

NITF Technical Board

June 11, 1996

Michael Dunn

Summary

◆ Date

   – 28-29 May 1996, 10-11 June 1996

◆ Goals

   – Align NITF 2.1 with BIIF and NSIF

   – Arrive at Consensus for NITF 2.1 Functionality

   – Discuss the Appropriate Changes to 2500A

   – Migrate Validation Requirements From JIEO 9008 Into 2500B

TASC

2500B

◆ Draft 2.1 Document

– Does NOT Contain 2.0 RFCs Currently On The Table for Discussion

– Does Contain Nominated Changes Coming From BIIF and NSIF

TASC

Changes to 2500A

- ◆ Elimination of
  - Backwards Compatibility to NITF 1.1
  - Object Symbols
  - Bitmap Symbols
  - ARIDPCM Compression/Decompression
  - Labels
  - Optional Fields
    - ✦ All Fields Required or Conditional

Changes to 2500A (cont.)

◆ Addition Of

– Wide Character Set in Text Data

– XBANDS Field in Image Subheader to Support
Additional Bands

◆ Modification Of

– Date/Time Format

TASC

Changes to 2500A (cont.)

- ◆ Other Changes Consist Of
  - – Tightening of Requirements
    - ✦ e.g., Default Values for All Fields
  - – Reordering of Document Paragraphs
    - ✦ e.g., Moving Description of Format Tables Before the Tables
  - – Making Document More Consistent
    - ✦ e.g., Discussion of Overflow Field

Other Issues

◆ Definition Of Imagery Related Products

◆ Discussion of Big Endian vs Little Endian

◆ Text Describing Tags and DES

◆ Fewer CLEVELS - 03, 05, 06, 99

◆ Proposal For Placing Header Information At the End of the File

TASC

Other Issues (Cont.)

◆ Redefinition of Transparent Pixel to Accomodate Bi-Level Masked Images

◆ Increase Text File Limits

◆ Image Geolocation

◆ Increase Number of Allowable Block Sizes (Single Block (8K) vs Multi (1K))

Other Issues (Cont.)

◆ Multiple Images In One File

– Correlating Multiple Image Folders In One NITF File

◆ Distinction of Placement TAGS

– User Defined Data - Registered Tags

– Extended Data - Controlled Tags

TASC

Schedule

◆ Draft 2500B Document for June NTB

◆ Submit Comments to the Document to ntbchair@tasc.com by COB 28 June 1996

◆ Present Draft 2500B Document to NATO SIT/SID TST on 17 July 1996

◆ Format Working Group on 1 August 1996

◆ Submit CR to SD-1 Coordination in Time for September NTB Review

TASC

Schedule (cont.)

◆ Discussion of Geographic/Chip Offset Tags

  – Three Proposals

    ✦ Transform Subimage (XFMSIA)

      – POC - Lih Chang

    ✦ NSIF/DMA

      – POC - Bill Tempel

    ✦ Chipping Tag

      – POC - Val Szwarc

TASC

Schedule (cont.)

◆ Discussion of Geographic/Chip Offset Tags (cont.)

   – NITFS Home Page

      ✦ Posted 10 June 1996 - Draft Documents

   – Comments Needed by COB 28 June 1996 to srajan@dma.gov

      ✦ Respond Via The WEB

      ✦ Present to the NATO SIT/SID TST on 17 July 1996

Future Work

◆ Generate CR for 2500A

◆ Rewrite of JIEO 9008 to Align With 2500B

◆ Discuss Addition of Audio to NITF